

## Appendix F - Major IT Project Description Report

**Project ID:** 1000054

**Secretariat:** Education

**Agency:** Virginia State University (VSU)

**Project Formal Title:** Classroom Instruction Enhancement

### **Project Description:**

Upgrade current classrooms and add new multimedia functions to non-media driven classrooms. Construct model e-classroom and teaching labs.

### **Project Scope:**

#### **Instructional Research Project**

Effective use of Information Technology (IT) in the classroom is an important factor in the Commonwealth's return on its VSU investment and in preparing students for life-long productive roles. Continually improving and promoting the use of IT in the classroom is a critical factor in positioning VSU as a best-in-class institution. The VSU degree and other educational services must be a valued credential within both higher education and industry in general.

The following business objectives will be met:

1. Effective Information Technology use in teaching methodologies is critical in preparing students for life-long learning and for productive societal roles. It is primary to connecting to the world at large.
2. VSU must re-engineer its programs, services, and infrastructure to meet the needs of its customers and to provide a supporting IT Infrastructure appropriate for emerging technologies.
3. More than ever, VSU must investigate and review customer service needs in order to supply specialized and non-traditional personalized service delivery.
4. Changing education market requires VSU to gain competitive advantage in a profit-driven, high-demand marketplace by providing a strong, adaptable, responsive, and outcome-driven support system.
5. Maintain and enhance a standards-based enterprise technology architecture that can support current initiatives as well as future growth, and that enables core business processes and other technologies to integrate in a seamless centralized and decentralized support service.
6. Provide an environment with a best practices and a decision-making framework that enables Commonwealth resource stewardship and a best-in-class performance.

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000095

**Secretariat:** Health & Human Resources

**Agency:** Department of Rehabilitative Services (DRS)

**Project Formal Title:** Integrated Case Management (ICM) Project

### **Project Description:**

The project promote common business practices for case management by using a single customized business application for 21 programs that provide services to people with disabilities. This cooperative effort is sponsored and funded by the Department of Rehabilitative Services (DRS @ 85%), the Department for the Blind and Vision Impaired (DBVI @ 15%), and the Virginia Department for the Deaf and Hard of Hearing (VDDHH @ 0%). For reporting purposes, the primary agency sponsor on this project is DRS. All CATSPA information on this project will be reported by DRS only.

### **Project Scope:**

The Integrated Case Management (ICM) System project is an effort to integrate over twenty legacy data management systems and data exchange processes into a single seamless application computer system. A system consists of a series of application modules that incorporates agencies case management and business processes. The effort will lead to reduced IT maintenance effort and communication efficiencies associated with a common business process.

Such a system, planned for initial implementation in 2006, will be user-friendly, accessible from staff offices or any network aware location, and provide significant economies for case management. Functional users will be able to perform all of their case management functions in a single system instead of a collection of existing, legacy systems and paper. Computer literate staff can easily migrate from existing systems to this new one because the look, feel and operation is the same as the Internet and Windows user services.

The project is a multi-faceted effort, with Disabilities Services Agencies (DSA) representatives from technology, most functional programs, and business process specialists. Each representative has contributed to the requirements with their own viewpoint from their specialized areas, and has blended those ideas into the common goal of these ICM requirements.

The software development and implementation process will be outsourced through the successful proposal. The project will be managed by internal project manager (PM) who will follow the VITA established Commonwealth Project Management (CPM) guidelines. The PM will have successfully completed the CPM testing for Core and Facilitating processes. Continuous Independent Verification and Validation (IV&V) efforts will insure compliance with VITA standards and mitigate risk.

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000096

**Secretariat:** Education

**Agency:** University of Mary Washington (UMW)

**Project Formal Title:** Administrative System Implementation (EagleLink II)

**Start Date:** 3/21/2003 (Active Project)

### **Project Description:**

The project is a three-year effort to replace obsolete core technology, business and student systems with a Web-accessible, fully integrated information system developed with maximum flexibility and growth to support the business needs and academic requirements of the College now and as a university.

### **Project Scope:**

Installation of hardware and operating system software; installation of Banner and Oracle Software; Business Process Analysis (BPA); implementation of 5 Banner modules as listed in the Project Definition Document; training of technical and functional staff; mapping and conversion of data from legacy systems; development of required reports and interfaces; and implementation of selected 3rd party software. (Source: Commonwealth Major IT Project Status Report Dashboard)

## Appendix F - Major IT Project Description Report

**Project ID:** 1000100

**Secretariat:** Education

**Agency:** Virginia State University (VSU)

**Project Formal Title:** Re-engineer Core Business Processes

### **Project Description:**

Replace aging SCT PLUS administrative system with SCT Banner Enterprise Resource Planning (ERP): Student, Finance, Financial Aid, and HR Web for Student & Faculty.

### **Project Scope:**

Infrastructure and resource renewal are needed to provide more service and supporting technologies for core business activities. Core business process re-engineering is critical in order to support an adaptable, responsive, and outcome-driven enterprise that can succeed in a highly competitive market. VSU must continually update the skills and knowledge of its employees to keep pace with a new brand of highly personalized educational services and emerging technologies. VSU cannot become best-in-class institution if it fails to act decisively and forcefully before opportunities disappear. Access and delivery of curriculum content, personal and other information is required to support peer leading location-independent educational services. VSU stakeholders will demand information and VSU must successfully deliver. The current system does not incorporate newer technologies, such as web technologies, which better serve the needs of students, prospective students, graduates, Commonwealth Agencies which require a reporting relationship, or other colleges and Universities which have reciprocal agreements with VSU. As VSU offers more web-enhanced and web based courses, the University must provide an on-line mechanism for Student Services to include registration, degree audit, etc.

The current system was developed a number of years ago, and the vendor (SCT) does not intend to provide enhancements and is planning limited or no support of this system in the near future. However, the vendor developed Banner, which will serve the expanding needs of the university community incorporating newer technologies, providing integration with Web based applications for efficient delivery of accurate and timely information on demand. Striking a harmonious balance between business best practices versus creative exploration will be critical for VSU success as an exemplary steward of Commonwealth resources. Today's students expect previously unimagined flexibility and convenience from their education service providers. VSU cannot provide peer-leading location-independent services until it re-engineers its programs and service to meet its customers' needs.

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000101

**Secretariat:** Education

**Agency:** Virginia State University (VSU)

**Project Formal Title:** Network Infrastructure Upgrade

### **Project Description:**

The project will consolidate and upgrade servers, upgrade operating systems and CISCO, migrate from IPX-to-TCP/IP, and migrate to MS Windows XP resource management.

### **Project Scope:**

Technology upgrades for the following infrastructure components:

Cable Plant - Fiber optic cable between buildings, structured cable within buildings, cold-site secondary campus network "hub" for network disaster recovery, facility enhancements for data "closets".

Devices - Wired and wireless network switches that provide core, distribution, and access of the network to all facilities. Wireless switches also come in the form of "panels".

Servers/services - Computer server consolidation for more efficient management and replacement of aged servers. Reconfigure existing services and centralize where control and standards are important, but decentralize where greatest flexibility is needed.

Software Applications & Utilities - Appropriate products that support best system and network administration practices, and enable maximum availability of network resources.

Operating systems - Migration to the latest versions of contemporary operating systems and effective use of features that successfully implement a contemporary, scalable infrastructure that will support the University's instruction, research, and service needs.

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000103

**Secretariat:** Education

**Agency:** Radford University (RU)

**Project Formal Title:** Voice over Internet Protocol (VoIP) Telephone System Project

### **Project Description:**

Phase in over several years the installation of a Cisco VoIP Telephone System to replace current Asynchronous Transfer Mode (ATM) based system and Verizon. Pilot phases include new building and renovation projects during FY03-FY06. Planned campus-wide installation during FY07.

### **Project Scope:**

Radford University (RU) currently obtains Centrex telephone service through a state negotiated service plan with Verizon. The annual cost is over \$677,000. RU believes replacement of current service with a Voice over Internet Protocol (VoIP) system will save the university approximately \$577,000 over a five year period.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000119

**Secretariat:** Administration

**Agency:** Department of General Services (DGS)

**Project Formal Title:** Seat of Government Voice Over Internet Protocol (VoIP)

### **Project Description:**

This project continues the installation of Voice Over IP phones networks, and conversion of lines in renovated buildings at seat of government. These buildings are public/private partnership initiatives with bond or private funding/lease back arrangements.

### **Project Scope:**

Network and voice services at the seat-of-government campus are designed and supported by individual agency tenants. This design is costly and is difficult to maintain. It also precludes introduction of new technologies for use by all tenant agencies. The aggressive building program currently underway on the campus requires a consistent networking approach and the development of standards that can be implemented by the Department of General Services' Bureau of Facilities Management during the planning and construction of campus buildings.

Today, agencies, at their option, may install PBXs, keyed systems, or use Centrex services from VITA's telecommunications contracts. DGS tenant agencies use over 7,000 voice circuits at an average cost of \$20 per month, almost 1.2 million dollars annually. The variety of options and the differences in approach lead to security and facilities management problems. Support for these solutions is normally outsourced requiring multiple vendors to have unsupervised access to facility wiring closets. Telecommunication problems occur when vendors terminate incorrect circuits due to a lack of consolidated documentation. Cabling chases become clogged as proprietary cabling plans are abandoned by tenants. Building space is not used effectively due to the problems and telecommunications expenses of relocating tenants.

Tenant agencies also request individual data centers or create server farm locations within their assigned office space. For VITA in-scope agencies, consolidating these servers into one or two locations will allow for more cost-effective operations support and assist VITA in eventual collocation of the servers at the VITA data center. The network must be designed to support this data center consolidation while allowing tenants not within VITA's scope to access network services.

DGS is in the midst of a major renovation of executive office space. These renovations and the creation of VITA present a unique opportunity to restructure voice, data, and video communications provisioning in seat-of-government buildings.

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000129

**Secretariat:** Public Safety

**Agency:** Virginia State Police (VSP)

**Project Formal Title:** Statewide Mug-shot and Other Images Repository

### **Project Description:**

Provide the means to accept, process, store, retrieve, and search mug-shots and other images (scars, marks, and tattoos) from local law enforcement agencies. These images will be sent to VSP as part of a National Institute of Standards and Technology's (NIST) package generated from a criminal arrest process or Sex Offender registration.

### **Project Scope:**

The proposed solution would build upon new functionality being implemented through the Charge Standardization Project (CSP). Through CSP, new booking identification stations will be implemented capable of capturing and submitting to VSP the Federal Bureau of Investigation's (FBI) Type-10 records which include mugshots and scars, marks and tattoos (SMTs). SMTs are also included in the scope of this project. Once the Type-10 records are submitted, the mugshots and SMTs would be added to the proposed statewide mugshot system. The mugshot database would be made available to law enforcement agencies across the state for inquiry and line-up purposes. The mugshot and SMT photos would be made available to criminal justice users through VSP's Virginia Criminal Information Network (VCIN).



## Appendix F - Major IT Project Description Report

**Project ID:** 1000133

**Secretariat:** Public Safety

**Agency:** Virginia State Police (VSP)

**Project Formal Title:** Central Criminal Repository Improvement

### **Project Description:**

This proposal would update all central repository databases, interfaces, and related applications required by Virginia State Police from a dated, inflexible legacy software platform to a current, efficient, and flexible one. While studying these applications, this project will include the search for opportunities to improve efficiency and take advantage of the vast improvements that current information technology can provide. The new software solutions will be built on proven, accepted, state-of-the-art programming languages and database products. These software solutions will incorporate new National Law Enforcement Telecommunications Systems (NLETS) and Federal Bureau of Investigation (FBI) standards including the Global Justice EXtensible Markup Language (XML) Data Model (GJXDM) when applicable. The central repository system will be designed to accommodate improved interfaces with related law enforcement systems within the agency such as the Virginia Records Management System (VRMS) and throughout the law enforcement industry such as National Data Exchange (NDEx) and Law Enforcement Information Exchange (LInX).

### **Project Scope:**

The Virginia State Police central repository databases are populated by law enforcement, courts, and corrections agencies statewide to meet specific federal and state mandates. These databases are accessed by law enforcement, prosecutors, courts, and corrections agencies from across the country to facilitate criminal justice processing. The central repository applications included in the project are:

- Wanted Persons, Missing Persons, Stolen Vehicles and Parts
- Computerized Criminal History
- Protective Orders
- Incident Based Reporting
- Sex Offender Registry
- Concealed Handgun Permits
- Machine Gun Registry
- Firearms Transaction Processing
- Consolidated Applicant Tracking
- Master Name Index
- Task Force Investigation Processing
- Mug-shots
- Expungement Tracking
- AFIS Messaging

This proposal would update all central repository databases, interfaces, and related applications required by Virginia State Police from a dated, inflexible legacy software platform.

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000137

**Secretariat:** Education

**Agency:** Longwood University (LU)

**Project Formal Title:** Administrative Systems Replacement – BANNER, Longwood's Implementation Strategy for Success (BLISS)

### **Project Description:**

Purchase and installation of new ERP system to replace current SCT IA Plus system which is more than 15 years old

### **Project Scope:**

Currently Longwood uses the Student Information System (SIS) and Financial Records System (FRS) (student and finance) administrative system to do business. These applications are based on a 30 year old technology. The manufacturer, SCT, has indicated that SIS and FRS will no longer have enhancements because there is no Return on Investment for them. In addition, Longwood is the only SIS/FRS institution in the state that has not yet migrated or begun a migration to Banner. Longwood IT staff have already completed mandatory VITA project management training and will be completing the two levels of project management testing before the end of August 2004. The first step of the migration will be an analysis of end user business processes in order to plan for end user training during the migration. Longwood has worked closely with SCT during the start of this project. In addition, Longwood will collaborate with VCU, Mary Washington, and William and Mary during the installation of and the migration to Banner.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000141

**Secretariat:** Education

**Agency:** Virginia State University (VSU)

**Project Formal Title:** Student Information Technology (IT) Services

### **Project Description:**

Services include VSU Intranet, space utilization, and IT "anytime" availability:

Student IT Help Desk; Web & printed self-help resources; Software distribution & tracking; Dorm PC labs; Cyber cafes; Academic support services IT; Fee-based printing; Single signon authentication; Student web-folios.

### **Project Scope:**

#### **Instructional Research Project**

The purpose of this project is to provide new and improved IT services for students. Today's students expect previously unimagined flexibility and convenience from their education service providers. VSU cannot provide peer-leading location-independent services until it re-engineers its programs and services to meet its customers' needs. This project will help to establish the technical foundation for a University-wide electronic environment that promotes the VSU brand-name, culture, and values and will enable a "just-in-time" information access and delivery for VSU students.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000188

**Secretariat:** Natural Resources

**Agency:** Virginia Museum of Natural History (VMNH)

**Project Formal Title:** Adventure Classroom

### **Project Description:**

Installation of a state of the arts videoconferencing science classroom.

### **Project Scope:**

Installation of a state of the arts videoconferencing science classroom. This project will allow the museum to meet its primary Information Technology goal of using technology to reach and meet the needs and expectations of all citizens. The museum is limited in the number of people that it can reach with hands-on education experiences. Through technology, VMNH can reach citizens across the Commonwealth of Virginia through distance-learning experiences involving scientists, educators, private citizens, students and teachers. This classroom will serve as a distance-learning laboratory connected to the local and Virginia IT network where science education at-a-distance can be performed, studied, and improved. This issue relates to the museum's Core Business Activity to provide and promote opportunities for citizens to expand their knowledge, skills and cultural awareness through science, art, music, drama, literature, dance, and other educational services and to assist the Governor in statewide management.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000209

**Secretariat:** Transportation

**Agency:** Virginia Department of Transportation (VDOT)

**Project Formal Title:** Roadway Network Systems

### **Project Description:**

Upgrade of system for roadway management and reporting.

### **Project Scope:**

HTRIS (Highway Traffic Records Information System) was built in 1991 to store official roadway information for internal management and reporting, including federal government reporting. Since that time, many information systems have been developed for specific transportation needs. Due to the nature of the design of HTRIS, these information systems cannot easily communicate and share data in the distributed database model that VDOT utilizes. The Information Technology Applications Division is managing this project. The entire project team combines business and IT representation in the context of a “matrixed organization” reporting to the Project Manager for all activities related to this project. The Information Technology Applications Division will form a project team of full-time technical personnel from within the Division and additional contracted expertise where needed.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000223

**Secretariat:** Health & Human Resources

**Agency:** Department of Social Services (DSS)

**Project Formal Title:** Automated Program to Enforce Child Support (APECS) – Information Management System (IMS) Re-engineering

### **Project Description:**

The Virginia Department of Social Services is in the process of migrating the Automated Program for the Enforcement of Child Support (APECS) computing environment from its current Information Management System (IMS) (IBM DL1 V 6.0) hierarchical technology to DataBase2 (DB2) (DB2 V6.1) relation data base structures and methodologies.

### **Project Scope:**

The project proposes to convert the data base structure to DB2, a relational and more flexible structure. This project will extend the life of the current system by eliminating the size and processing constraints of IMS databases. This project will position the Division for potential future enhancements such as moving the system to a different platform and web-enablement.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000224

**Secretariat:** Health & Human Resources

**Agency:** Department of Social Services (DSS)

**Project Formal Title:** Child Care System

### **Project Description:**

This project is 100% federally funded. The Child Care Program is a key component of the welfare reform initiative and is crucial to the goal of self-sufficiency for many low-income families. Most localities handle this function manually today, must perform duplicate searches to locate pertinent customer information in other systems, and must key duplicate information into State systems. A fully automated system for child care will provide and improve both local and state program management (reducing client wait time while improving quality of services), improve the ability to analyze encumbrances and expenditures, assessment of child care unmet needs, and timely information regarding children and families served, providers utilized, and costs of child care. An automated system is needed for all components of the Child Care Program.

The Child Care program provides funding to enhance the quality, affordability, and supply of child care available to Virginia's families. Child care programs are child-centered, family-focused services that support the family goals of economic self-sufficiency and child development by providing substitute parental care, protection, guidance, and early childhood education.

Toward this end, policies and service strategies are designed to meet the following goals:

- To provide low-income families with the financial resources to find and afford quality child care for their children.
- To ensure that the family child care program contributes to the broader objective of self-sufficiency. To provide child care to parents trying to achieve independence from public assistance.
- To promote parental choice in the selection of child care. To empower working parents to make their own decisions on the child care that best suits their family's needs.
- To provide consumer education to help parents make informed choices about child care.
- To ensure that subsidy dollars are provided to the neediest families.
- To enhance the quality and increase the supply of child care for all families.
- To improve the coordination among child care programs and early childhood development programs.

### **Project Scope:**

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

The Child Care Project encompasses several pieces of major functionality: the Child Care and Development System, Simplified Sign-on, and Master Customer ID.

The Child Care and Development System will streamline the activities of the local worker and provide reports to manage the child care program. The high level user requirements consist of the following components: Wait List Management, Intake, Case Management, Provider Resource Management, and Financial Management. An RFI was released in November 2004 to obtain information regarding commercially available child care applications.



## Appendix F - Major IT Project Description Report

**Project ID:** 1000225

**Secretariat:** Health & Human Resources

**Agency:** Department of Social Services (DSS)

**Project Formal Title:** Public-Private Education Facilities and Infrastructure Act (PPEA)--  
Integrated Social Services Delivery System

### **Project Description:**

The Virginia Department of Social Services (VDSS) seeks to develop a browser-enabled information system reengineered to reflect the best business processes and data needs for the local and state workers who provide benefits and services to Virginia customers. If re-engineered to effectively process the information needs of both customers and workers, the resulting system can provide for one-time entry of data, provide streamlined processes for quicker service delivery, and provide a method to share data in a secure manner with other users, managers and, where appropriate, customers. An integrated system will lower systems development and maintenance costs, improve the state's ability to provide future services, and allow local agencies to operate more effectively. Projects of this nature and magnitude are currently funded and active in several other states.

VDSS is in the process of using a PPEA with creative financing (such as by paying for the project through the savings generated by the project). However, since PPEA planning is in the conceptual phase, this Information Technology (IT) Strategic Plan Amendment is written under the assumption that VDSS has the option to use traditional procurement methods (such as Request for Proposals (RFPs) or supplemental contract services) to obtain the services for overall project planning, and short-term improvements to meet some of the most critical locality business needs. If an acceptable detailed PPEA proposal is received, a new IT Strategic Plan Amendment will be submitted to address that approach.

### **Project Scope:**

Preliminary information obtained from other states indicates that planning activities are significant, including extensive involvement of locality staff, development of technical standards, cost benefit analysis, and detailed project planning. Therefore, business process re-engineering is currently underway for state and local social services business programs.

Quick Hits (concurrent with Planning):

- Simplified sign-on to major legacy systems
- Improved customer searches and sharing of customer information as appropriate
- Master customer identification number
- Legacy system connectivity
- Policy reviews and consolidation
- Manual revisions and updates

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000234

**Secretariat:** Health & Human Resources

**Agency:** Department of Mental Health, Mental Retardation & Substance Abuse Services (DMHMRSAS)

**Project Formal Title:** Clinical Applications/ Electronic Medical Record (EMR)

### **Project Description:**

This project involves the purchase of a comprehensive clinical information system for behavioral healthcare that manages the care data of thousands of patients in the facilities. In order to properly manage the care provided, clinical data in the form of thousands of transactions per facility per day needs to be collected, stored and analyzed using an electronic medical record. The system would be implemented at all fifteen facilities and Central Office and would help to eliminate the manual data processes still used in many clinical areas. An electronic medical record, supported by a suite of clinical applications will greatly reduce risk while greatly increasing operational efficiencies, cost savings and most important of all, patient satisfaction.

### **Project Scope:**

Purchase of a comprehensive clinical information system for behavioral healthcare that manages the care data of thousands of patients in the facilities. In order to properly manage the care provided, clinical data in the form of thousands of transactions per facility per day needs to be collected, stored and analyzed using an electronic medical record. The system would be implemented at all fifteen facilities and Central Office and would help to eliminate the manual data processes still used in many clinical areas. An electronic medical record, supported by a suite of clinical applications will greatly reduce risk while greatly increasing operational efficiencies, cost savings and most important of all, patient satisfaction.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000237

**Secretariat:** Education

**Agency:** Virginia Commonwealth University (VCU)

**Project Formal Title:** VCU Administrative Re-engineering through Integrating Electronic Services (ARIES) Project

### **Project Description:**

Under this initiative, the University will modernize its aging administrative information systems and computing platforms. These systems will be replaced with a modern, integrated Enterprise Resource Planning (ERP) package.

### **Project Scope:**

VCU's major administrative systems (finance, student and human resources) are currently on obsolete technology and do not provide the functionality that the University needs to be competitive. Under this initiative, the University will modernize its aging administrative information systems and computing platforms. The existing systems will be replaced with a modern, integrated ERP suite of applications. This modernization is expected to enhance service delivery to faculty, students and staff in ways that cannot effectively be accomplished with the existing core technology resources in place, which are graded (Commonwealth of Virginia (COV) Enterprise Architecture guidelines) as obsolete. For example, the existing mainframe platform and application systems do not allow for:

(1) Real-time interoperability with external systems intended to enhance University operations, including the Commonwealth's eVA procurement system, the University's e-Learning/course management tool which provides web-based instructional support, VCU's facilities management system, and an outsourced web system for receiving job applications; these and other interfaces must be accomplished in batch mode, which often extends processing time and diminishes customer service. (2) Integrated, native web user interfaces to increase customers access to services; those needs are being partially met through a middleware product which requires significant programming and support, and does not provide the full range of content and capabilities desired. (3) Support for single sign-on and authentication; not having that functionality makes navigation between software applications awkward and requires users to have multiple ID's, in turn impeding security efforts. (4) Fluid connectivity to electronic communications and automated workflow tools; not having that capability hampers administrative re-engineering. (5) Reallocation of resources from infrastructure support to user and application support and development.

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000238

**Secretariat:** Education

**Agency:** Virginia Commonwealth University (VCU)

**Project Formal Title:** VCU Advanced Communications for Enterprise Services (ACES)

**Project:** Modernization of Communications Infrastructure

### **Project Description:**

The VCU Modernization of Communications Infrastructure (ACES) Project will modernize the telephony infrastructure and services at VCU. The University will implement a state-of-the-art hybrid Internet Protocol (IP) Private Branch Exchange (PBX) system to provide a higher level of service at lower cost for University and Health System customers. Sections of the data network will be upgraded to enable IP Telephony to the desktop. Implementation will occur over a 18 month period starting in the spring of 2005. The University's strategy is to replace all of its obsolete Key System Units and many of its individual Centrex telephone lines with an on premises PBX. The solution will utilize a combination of traditional telephony and Voice over Internet Protocol (VoIP) to provide the optimal mix of reliability, flexibility, and cost effectiveness. The University will upgrade its data network in conjunction with the telephony system to support voice and data convergence as well as provide very high speed networking to the VCU community.

### **Project Scope:**

VCU will modernize its telecommunications infrastructure using a hybrid approach of IP and tradition PBX technology. Where a higher level of reliability is needed, traditional digital phones and a PBX will be installed. The PBX can also serve to support IP phones where their use is indicated. Communications between PBX units will occur over the data backbone. The hybrid IP/PBX solution does not provide an immediate and full convergence of data and telephone networks, but does begin a migration in that direction. Upgrades to the data infrastructure will be required to provide appropriate voice quality. With a hybrid approach, migration to an all IP network can occur in stages as the technology matures, so data network upgrades are spread out over several years. The initial deployment will see about 30% of University users receiving an IP phone on the desktop.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000251

**Secretariat:** Public Safety

**Agency:** Department of Criminal Justice Services (DCJS)

**Project Formal Title:** Virginia Integrated Justice Program (IJP)

### **Project Description:**

IJP is an ongoing program that supports the Governor's initiative to improve justice information sharing per his executive agreement with DCJS. IJP provides strategic vision, project definition, oversight, funding, and staff support to improve sharing of criminal justice data. It includes a series of incremental projects that define new processes and data standards to facilitate the exchange of information between criminal justice agencies. General objectives of the program are to enhance overall public safety by providing more timely, accurate and complete offender data to criminal justice decision-makers, and to improve overall efficiency and data quality. The Charge Standardization Project (CSP) of IJP implements a wide range of improvements and future phases of IJP will take advantage of the momentum generated by CSP to improve additional criminal processes by building on the new information sharing foundation.

### **Project Scope:**

This is a group of six projects with the common theme of improving criminal justice information sharing. It will build on the foundation laid in Charge Standardization Project 1 (CSP1) to make additional improvements. The projects included in this group consist of: 1) An updated Wanted System with a new interface to automatically add new warrants and clear them when an arrest is made. 2) An interface for juvenile dispositions from the court to the Criminal History repository at Virginia State Police (VSP). 3) A Master Name Index that will serve as a common access point for several applications at VSP. 4) A mugshot system for storage and retrieval of mugshots at the state repository. 5) A Requirements Definition for a Record Management System at VSP. 6) A Requirements/Feasibility Study for an interface of sentence order information.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000255

**Secretariat:** Transportation

**Agency:** Department of Motor Vehicles (DMV)

**Project Formal Title:** Integrated Systems Redesign

### **Project Description:**

Redesign DMV core mainframe systems and related applications.

### **Project Scope:**

The redesign project focuses on the fragmented processing of DMV's three major business areas: driver, vehicle, and motor carrier. The purpose of the redesign is to transform these fragmented fifteen year old systems into one modernized system that is responsive to the ever-changing needs relating to internal security, homeland security, legislative mandates, and customer relationship management. Project completion is estimated to take 3 years with a total estimated cost of 32.6 million dollars. DMV plans to use contractors for personnel services resulting in no increase to Information Technology (IT) Full Time Equivalents (FTEs). The solution to the fragmentation/modernization issue may come in the form of commercial off the shelf software, and in-house development effort, or a combination of both.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000278

**Secretariat:** Education

**Agency:** Old Dominion University (ODU)

**Project Formal Title:** Digital Library

### **Project Description:**

The objective of the proposed work is to design, implement, and deploy a digital library for all institutions. The proposed digital library would catalogue and store a wide range of content to include institutional profiles, facilities, and researchers.

### **Project Scope:**

No project scope provided.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000395

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** Commonwealth Technology Portfolio Version 2, Phase 2

### **Project Description:**

This project implements an Information Technology (IT) investment portfolio management tool.

### **Project Scope:**

The IT Investment Portfolio Project will automate portfolio management and related functions through implementation of an integrated project and portfolio COTS product. The project will deliver a Commonwealth and Agency (VITA) Project Portfolio. The Commonwealth level functionality will include IT investment portfolio analysis and reporting, project management, work flow, document management, portfolio financial management and dashboard reporting. The Agency (VITA) level functionality will include project management, work flow, resource management, time reporting, project cost accounting and dashboard reporting at the Agency level. The implementation team will be comprised of VITA PMD staff, BSS staff, subject matter experts, and contracted services for training, implementation and consulting support. The detailed project plan will include milestones tied to important ITIB dates for the COV IT Portfolio, i.e. generating totals for Commonwealth IT expenditures and creating a Recommended Technology Investment Projects (RTIP) Report using portfolio tools. Also included in the project plan will be VITA IT Portfolio milestones for Business Process Reengineering (BPR) related to VITA functionality, VITA Internal Portfolio implementation and launching of an Agency Project Portfolio Model.



## Appendix F - Major IT Project Description Report

**Project ID:** 1000708

**Secretariat:** Education

**Agency:** Norfolk State University (NSU)

**Project Formal Title:** Mediated Classrooms

**Project Description:**

This project provides faculty access to a variety of modern, technologically equipped classrooms.

**Project Scope:**

No project scope provided.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000744

**Secretariat:** Education

**Agency:** Jamestown-Yorktown Foundation (JYF)

**Project Formal Title:** JYF Ticketing Improvements

### **Project Description:**

Encompasses projects/tasks related to replacing the JYF ticketing system (On-line ticketing, "timed-access ticketing", ticket printing, and Ticketing system replacement) Project was identified during 2004-2006 biennium with potential Non-General Fund Source. Funds have not been identified.

### **Project Scope:**

Implement a ticketing/scheduling/resource management software package to replace existing six year old system. This project includes all hardware, software and peripherals used in the day-to-day operation of the current system.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000754

**Secretariat:** Education

**Agency:** Norfolk State University (NSU)

**Project Formal Title:** Research and Innovations to Support Empowerment (RISE) Network Connectivity

### **Project Description:**

This project provides network connectivity to and from the RISE Center. The RISE Center must be a high technology operating environment to attract the type of tenant activities needed to promote the learning, research, and business advancement interests of the University. The type of technology selected for the RISE Center is strategic in that it is designed to accommodate the needs of the advanced technology organizations we wish to attract as building occupants.

University researchers and students will be the major beneficiaries of this project. Advanced technologies for researching organizations are just now emerging at NSU. University faculty and students engaged in advanced research will enhance the prestige of NSU and this will most likely increase their personal job satisfaction and earning potential as well.

### **Project Scope:**

The planning approach used was to learn of and adopt the best installation practices of other research centers around the nation to insure we have it right for NSU's RISE Center.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000756

**Secretariat:** Public Safety

**Agency:** Virginia State Police (VSP)

**Project Formal Title:** Statewide Agencies Radio System

### **Project Description:**

Upgrade existing Virginia State Police Land Mobile Radio and microwave networks to create a shared network for all agencies.

### **Project Scope:**

The State Police Land Mobile Radio Network was installed in 1977. Much of the current equipment is of this vintage and needs to be replaced. Throughout the years, the mobile radios have been reinstalled in vehicles approximately six times. In addition, the network utilization is far over-capacity and the antiquated technology will not support mobile data. The contract for a system, which will make maximum benefit of the currently functioning infrastructure, and provide a state-of-the-art public-safety-grade statewide-integrated voice and data network, is in the final stages of negotiations.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000761

**Secretariat:** Administration

**Agency:** State Board of Elections (SBE)

**Project Formal Title:** Campaign Finance Management System

### **Project Description:**

Consolidated system to manage e-filed campaign finance reports: new software for e-filers that integrates seamlessly with SBE mgmt software, posts reports to the SBE web site, meets all legal reqs, allows localities to accept e-filings.

### **Project Scope:**

Commercial-Off-The-Shelf (COTS) package; customization services; and on-going license and support agreement. SBE will also need to engage a project manager for the duration of the project.

## Appendix F - Major IT Project Description Report

**Project ID:** 1000772

**Secretariat:** Commerce and Trade

**Agency:** Virginia Employment Commission (VEC)

**Project Formal Title:** Web-based Financial Management Accounting System

### **Project Description:**

The VEC's financial personnel and management staff have struggled for many years to obtain timely financial and useful management information from the existing accounting system for Federal reporting, which is based upon one developed for State Employment Security Agencies in 1969. The existing system is complex, inflexible, fragile, and not user friendly. Funding for a new system would come from non-general funds.

### **Project Scope:**

The VEC wishes to procure a web based financial management/accounting system to replace its mainframe batch system. The new system will include modules for accounts payable, accounts receivable, general ledger, cost allocation, time distribution and procurement. Financial data is processed in an on-line, real-time environment. These features will greatly improve efficiency in financial processes, availability of management information, and the accuracy of accounting reports thus reducing the potential for audit findings. It is a strategic technology.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001014

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** State-of-the-Art Data Center(s) with Disaster Backup

### **Project Description:**

Replace the current VITA data center and the current disaster recovery approach with two new, state-of-the-art facilities that are self-sufficient, capable of sustained operations with minimal external support, highly available and highly secure. As currently envisioned, one data center will be located in the Richmond area, in a suitable location that experiences low traffic and low crime, and features protected access. The second facility will be located in a rural area of the Commonwealth that is economically depressed and sufficiently remote from the primary facility that natural or man-made disasters that impact one facility would not impair the operations at the other. Includes load sharing and mutual back-up and recovery between facilities. This project will also include all efforts to consolidate servers.

### **Project Scope:**

The current VITA data center has been in use for an extended time period and only marginally meets or fails to meet key state-of-the-art standards in security, cabling, electrical service, backup electrical fire detection and suppression, floor space, raised flooring and other key criteria. Further, with the integration of agencies' Information Technology (IT) assets into VITA, additional workloads are being assigned to the VITA data center. In addition, the current disaster recovery approach requires VITA to move operations out-of-state, requiring time and resources that force the non-availability of state systems for periods longer than is acceptable to our customer agencies. This initiative will provide for the operation of a modern, consolidated data center and a back-up data center site. It includes comprehensive disaster-recovery services for all appropriate systems supporting VITA's customer agencies. The specifics of the approach, associated mechanisms and tools, and related business process reengineering will be determined based on Public-Private Education Facilities and Infrastructure Act (PPEA) proposals received and resulting reviews, evaluations, and negotiations.

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001016

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** Enterprise Desktop Management

### **Project Description:**

Establish standard desktop configurations tuned to documented user business needs. Establish the capability to monitor system performance and configuration from a central location and push software updates down to the user desktop as they become available. Establish, through the conduct of a study, the optimal refresh cycle for recognized configurations and determine whether it is more cost beneficial to replace individual components or an entire configuration. Deploy these configurations with associated monitoring, software update and hardware refresh cycles through an enterprise-wide agreement.

### **Project Scope:**

The Commonwealth lacks an enterprise-wide standard desktop configuration. As a result, many users have far too much computing power, while others are barely able to keep mission-critical applications running. In addition, some users have applications on their desktop computers that they never use, consuming licenses and funds for annual license payments, while others cannot obtain licenses for the applications that they need to perform their duties. This initiative seeks to rationalize the desktop configuration, both hardware and software, to the needs of the individual employee. This initiative also seeks to determine the optimal refresh cycle for desktop hardware and to determine whether it is more cost-effective to replace individual components or hardware bundles. The specifics of the approach, associated mechanisms and tools, and related business process reengineering will be determined based on Public-Private Education Facilities and Infrastructure Act (PPEA) proposals received and resulting reviews, evaluations, and negotiations.



## Appendix F - Major IT Project Description Report

**Project ID:** 1001017

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** Enterprise Messaging/E-mail System

### **Project Description:**

Establish a standard, enterprise-wide messaging/email system. The system must be secure and address the needs of both desk top and remote users. VITA anticipates that the system's users' needs will encompass the entire spectrum of equipment from personal computers and notebook computers, to Personal Digital Assistant (PDA) devices. The agency also wants to consider a variety of transmission approaches, including wired and wireless transmission, as well as the traditional "store and forward" approach and "push email," especially for wireless devices. In consolidating the email services currently deployed across state agencies, consideration must be given to the nature and extent of agencies' current systems, as well as the integration of e-mail and business applications. A phased approach will be required for the deployment of the enterprise-wide solution.

### **Project Scope:**

The Commonwealth lacks an enterprise-wide email/messaging standard. As a result, a variety of disparate systems have been installed in the various agencies. Many of these systems do not communicate well with each other, limiting or completely prohibiting the capability of users to perform commonly accepted standard operations like sending attachments or scheduling meetings on calendars. In some cases, individual users have been able to install instant messaging capabilities on their desktops that have introduced security threats to the systems. These disparate systems require different support skills, limiting VITA's capability to use technical support staff to their greatest efficiency and effectiveness. In addition, multiple systems reduce VITA's capability to leverage bulk licenses for the email/messaging clients, resulting in greater, overall costs. This initiative seeks to rationalize this situation and leverage both VITA's license dollar and technical support staff to attain major economies of scale. The specifics of the approach, associated mechanisms and tools, and related business process reengineering will be determined based on Public-Private Education Facilities and Infrastructure Act (PPEA) proposals received and resulting reviews, evaluations, and negotiations.

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001019

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** Enterprise Customer Care Center

### **Project Description:**

VITA seeks to establish a state-of-the-art facility to support its customer's information technology needs and support VITA's other business functions. The customer care center will provide a single point of contact to which customers who are experiencing information technology related problems or who require new or changed services can turn. While a state-of-the-art call center system with supporting telecommunications technologies is at the center of this capability, human factors, especially the selection and training of care center staff and the provision of an appropriate work environment will play a major role.

### **Project Scope:**

No project scope provided.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001022

**Secretariat:** Technology

**Agency:** Department of Planning and Budget (DPB)

**Project Formal Title:** Public-Private Education Facilities and Infrastructure Act (PPEA) - Electronic Government and Associated Business Transformation

### **Project Description:**

The Commonwealth is seeking a comprehensive approach to implementing an Enterprise Resource Management suite within Executive Branch agencies. More than an information technology project, this initiative will require major efforts in business process documentation, reengineering and change management. In addition, the Commonwealth's current data assets must be documented, rationalized and leveraged. Implementation of an Enterprise Data Architecture is another major component of this effort. To bring this vision into operation, the Commonwealth will require a complete "tool kit" supporting Web services development and maintenance and Web page content management. When completed, this project will provide a citizen-centric, customer-centric, integrated solution that will provide a unified, web-enabled view of state government through a secure portal that offer a full range of state services and information.

### **Project Scope:**

The "in-scope" agencies currently operate on a variety of personnel, accounting, financial management, supply chain and other systems that do not communicate with each other and cannot share data. The majority of these systems are not web-enabled and do not have a customer/client facing module to allow users to serve themselves. As a result, the agencies themselves must enter data, re-enter it if it is required in multiple systems or if data exchange is required with systems of other agencies. Just this data entry requirement is labor intensive and subject to error. In addition, the systems exist in a variety of technical environments and require extensive maintenance. Establishment of interfaces is labor intensive and expensive. The Commonwealth anticipates the need for a system that will provide a common business process, common look-and-feel across the continuum of the business process and provides a customer/client facing capability to permit users to conduct commerce with the state and within the state's organizational structures when they want to, from whatever location they happen to be. The specifics of the approach, associated mechanisms and tools, and related business process reengineering will be determined based on PPEA proposals received and resulting reviews, evaluations, and negotiations.

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001025

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** End-to-end Systems and Process Management Public-Private Education Facilities and Infrastructure Act (PPEA)

### **Project Description:**

VITA has received and is evaluating an unsolicited proposal received under the Public Private Education Facilities and Infrastructure Act of 2002 (PPEA), as amended. This proposal, as it currently stands at the end of the Detailed Review stage of the PPEA process, includes services related to mainframe and server operations, desktop computing and support, customer support (help desk) services, messaging services, voice and data communications, including videoconferencing; support for VITA internal applications and “cross-functional” support (e.g. security, human resource management, etc.)

### **Project Scope:**

VITA currently lacks the ability to manage its systems and business processes in an automated manner from end-to-end. The agency lacks a set of tools to monitor the agency’s performance across the enterprise and to respond to situations where service delivery falls below standards. The agency also lacks the capability to perform “what-if” analysis on the impacts of proposed changes on its organization, technology, business processes, facilities and security operations. The specifics of the approach, associated mechanisms and tools, and related business process reengineering will be determined based on PPEA proposals received and resulting reviews, evaluations, and negotiations.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001073

**Secretariat:** Administration

**Agency:** Department of General Services (DGS)

**Project Formal Title:** Real Estate Portfolio Management

### **Project Description:**

In late 2002, the Governor's Commission of Efficiency and Effectiveness issued a report suggesting that an enterprise-wide review of the Commonwealth's management of its real estate operations should be undertaken, with a view towards cost-savings opportunities, efficiencies and improved management practices. In September 2003, the Department of General Services retained CB Richard Ellis (CBRE) to provide consulting services involving an operational review and recommendations for improvements to the Commonwealth's system for managing its owned and leased portfolio of real property assets. The report concluded that based on the initial review of leasing practices, market timing issues, facilities management and space utilization, millions of dollars in savings may be achievable with changes in real estate operations within the Commonwealth, including establishing full accountability over the leasing process with DGS. In June 2004, Phase II of the CBRE study was initiated in order to develop specific steps for implementing the recommended changes and to quantify potential costs savings. Maximum savings will be achieved when the Commonwealth can benefit from economies of scale critical to gaining market leverage in leasing and contracts, reducing redundant support areas, increasing space utilization and more effectively allocating labor. In May 2004, Governor Warner's Management Objectives for 2004-2005 established the real estate management objective: implement a consolidated, fully integrated system for the state's real estate management, resulting in a 15% - 20% decrease in total leased office space. DGS is actively working to transform Virginia's decentralized real estate transactions process into a Real Estate Portfolio Management System and to implement the recommendations from the CBRE study. In January 2005, the Division of Real Estate Services (DRES) was established to lead the change and the former Bureau of Real Property Management (BRPM) was eliminated. The CBRE Phase II report studied IT alternatives based on the final solution supporting functionality in portfolio data management, lease administration, transaction management, facilities management, workplace management, document and decision management and strategic planning. Data elements required for improvement portfolio management were identified, the existing system capabilities were assessed and alternative systems available in the marketplace were identified and evaluated. The existing Property and Lease Automated Tracking System (PLATS) database is several releases behind and, as currently being used and maintained, cannot be relied upon to monitor the Commonwealth's real estate effectively. Options evaluated by CBRE included hosted and installed solutions in the following categories: Enterprise Wide Solution: An integrated, third-party system providing functionality for the management of real estate assets, leases, and facilities, replacing three systems already functioning in the Commonwealth in the areas of facilities and document/decision management. This application would need to interface/integrate with the state's financial systems including general ledger, accounts payable, accounts receivable, fixed assets, and treasury accounting. Focused Solution: A system offering most of the critical

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

areas of functionality of an integrated package, but would not replace the three systems already functioning well in the Commonwealth. Targeted Solution: A system that offers exceptional capabilities in one or a few, but not in a majority, of the functional areas. CBRE's final report recommends a course of action to implement a solution that would fill the gaps in required functionalities while preserving the currently functioning technology investments. In addition an interim solution of performing currently available upgrades to the PLATS system and continue its use is also being evaluated. This project will take the requirements currently being defined by DRES to design and implement an application that supports the Commonwealth's Real Estate

### **Project Scope:**

Based on a current review of leasing practices, market timing issues, facilities management and space utilization, millions of dollars in savings may be achievable with changes in real estate operations within the Commonwealth. Maximum savings will be achieved when the Commonwealth can benefit from economies of scale critical to gaining market leverage in leasing and contracts, reducing redundant support areas, increasing space utilization and more effectively allocating labor. The Commonwealth will be unable to achieve the potential identified savings in the leased portfolio until BRPM is given full accountability over the leasing process. In May 2004, Governor Warner's Management Objectives for 2004-2005 established the real estate management objective: implement a consolidated, fully integrated system for the state's real estate management, resulting in a 15% - 20% decrease in total leased office space. DGS is actively working to transform Virginia's decentralized real estate transactions process into a Real Estate Portfolio Management System.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001096

**Secretariat:** Education

**Agency:** Virginia Community College System (VCCS)

**Project Formal Title:** Automated Information System (AIS) Administrative Information System

### **Project Description:**

VCCS plans to implement commercial software for financial management. The proposed system will provide self-service access and business process support to students, faculty, and staff and improve workflow for major financial functions performed throughout the VCCS colleges and Central Office. Enhanced interoperability with other VCCS internal and external application systems will provide additional benefits from information sharing, elimination of redundant data entry, and business process improvement.

### **Project Scope:**

The project will result in the implementation of the PeopleSoft Financial modules for General Ledger, Accounts Payable, Accounts Receivable, Billing, and Fixed Assets. The project also includes an automated interface with the state procurement system, eVA, and Commonwealth Account and Reporting Systems (CARS). The project scope includes all phases of the project life-cycle. The specific life-cycle methodology to be employed is the PeopleSoft Compass methodology which includes Fit/Gap analysis, design, development, testing, training, and quality assurance reviews.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001100

**Secretariat:** Education

**Agency:** Jamestown-Yorktown Foundation (JYF)

**Project Formal Title:** Enterprise Resource Planning (ERP)/Accounting System

### **Project Description:**

Integrated management/accounting system to consolidate accounting and management reporting for two agencies and two private affiliates. Funding is not identified for FY'06

### **Project Scope:**

This project will consolidate the Foundation's accounting and reporting for one agency and two private affiliates under one system.

To integrate operations for the Foundation and its private affiliates, the Foundation would like to utilize an integrated financial accounting and management planning system. This system would address issues that arise from utilization of stand-alone state applications such as Commonwealth Account and Reporting Systems (CARS), Commonwealth Integrated Payroll/Personnel System (CIPPS), eVA, and Personnel Management Information System (PMIS). In addition, the Foundation would be able to use such a system to integrate financial activity from its private affiliates to develop comprehensive management reports. The Foundation would like to begin planning for implementation of a system after the 2007 commemoration period.



## Appendix F - Major IT Project Description Report

**Project ID:** 1001128

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** Comprehensive Statewide Network Services Public-Private Education Facilities and Infrastructure Act (PPEA)

### **Project Description:**

In order to deploy electronic government, transform associated business processes and provide a standard enterprise-wide electronic mail service, VITA will require the development of a comprehensive statewide network, including not only the hardware infrastructure, but also operational monitoring, control and management. The network must be highly scalable and responsive to changes in demand. It must also be highly secure, with strong intrusion detection and response capabilities. VITA envisions the statewide deployment of broadband technologies to provide the infrastructure benefiting not only the operations of the Commonwealth government and agencies, but also local governments and potentially the economic development of rural and economically deprived areas.

### **Project Scope:**

VITA anticipates the requirement for a robust, comprehensive statewide network, in order to facilitate its transformation, deploy electronic government, transform associated business processes and provide a standard enterprise-wide electronic mail service. This requirement includes, but is not limited to, hardware infrastructure, operational monitoring, control and management. The network must be highly scalable and responsive to changes in demand. It must also be highly secure, with strong intrusion detection and response capabilities. VITA envisions the statewide deployment of broadband technologies to provide the infrastructure benefiting not only the operations of the Commonwealth government and agencies, but also local governments and potentially the economic development of rural and economically deprived areas. The specifics of the approach, associated mechanisms and tools, and related business process reengineering will be determined based on PPEA proposals received and resulting reviews, evaluations, and negotiations.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001187

**Secretariat:** Education

**Agency:** University of Virginia (UVA)

**Project Formal Title:** Student Systems Project

### **Project Description:**

In 1998, the University of Virginia began the process of replacing its core administrative systems (finance, Human Resources (HR), and student). The Finance and HR phases of this project are complete, and it is now time to begin the process of replacing the student system.

The University has a mainframe-based student system, Integrated Student Information System (ISIS), which was put in place in 1990. This system is aging, both in terms of the software and the platform on which it runs. Because it is a mainframe based system, enhancements are difficult and expensive to implement.

The University is now beginning to embark on the pre-implementation stage of the student systems project. This will involve hiring a project director and a core team, preparing an initial project plan, mapping our core processes, and recommending an implementation approach. The University will also make a decision on which software package will be the most appropriate to install at the University. The pre-implementation phase is expected to take 18-24 months; implementation is expected to take an additional 18-24 months.

The project cost estimate is derived from one developed five years ago, with an inflation factor added. Once a project director has been appointed, the estimate will be recalculated and submitted to VITA.

### **Project Scope:**

The replacement of the student system is the third phase of the University's plan to replace its core administrative systems. The current student system (ISIS) runs on a mainframe-based platform, and was designed and implemented in 1990. The system is near the end of its useful life; it is difficult and expensive to add functionality to the ISIS system, given its age. In addition, with the migration to web-based technology, students are accustomed to instant and convenient access to information.

The University is in the process of hiring a director for this project. The project director will be responsible for mapping our current processes; making recommendations on next steps for securing a software product; and overseeing the implementation phase.

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001306

**Secretariat:** Transportation

**Agency:** Virginia Department of Transportation (VDOT)

**Project Formal Title:** Financial Management System (FMS) II Phase II Execution

### **Project Description:**

Phase II of an on-going major IT project to upgrade existing Financial Mgmt System (FMS II) to a current version of Peoplesoft software. The existing software and supporting technology infrastructure for the Agency's Financial Management System is about 10 years old. The vendor(s) no longer support the software and hardware. There is a significant risk that this platform will develop problems that cannot be resolved in a timely manner, which will make it impossible to conduct the financial business of the Agency during that time. In addition, the existing technology limits the Agency by making it difficult to implement other applications that employ newer technology.

### **Project Scope:**

Key activities of Phase I involved the validation of the concepts that the current Peoplesoft versions offer, development of a requirements document, selection and training of a core project team consisting of both business and technology resources, (including the assessment and selection of integration/consulting services), definition of a clear scope, and development of an accurate cost and schedule for the upgrade. Phase II will include procurement and customization of the software and hardware and consulting/implementation services

## Appendix F - Major IT Project Description Report

**Project ID:** 1001309

**Secretariat:** Public Safety

**Agency:** Department of Corrections (DOC)

**Project Formal Title:** Phase 2 and Phase 3 of Commonwealth Offender Record Information System (VirginiaCORIS) Program

### **Project Description:**

The Department of Corrections has established an automated Offender Management Information System (OMS) Program, now called VirginiaCORIS. This is a major technology effort and is critical to the successful accomplishment of the DOC mission. The VirginiaCoris Program will be composed of multiple major projects over time and will result in a single, fully integrated system that should replace most of the DOC's current offender related application portfolio. The solution planned is already in production in other state DOCs, with some additional required functionality being developed and planned for deployment in the next 12 months. The proposed procurement and implementation cost for the entire VirginiaCORIS Program is approximately \$14,500,000 in total direct and indirect costs. The first project of the VirginiaCORIS Program, the procurement and installation of the Offender Sentence Calculation application, was approved for development by the Information Technology Investment Board on July 7, 2004.

### **Project Scope:**

The procurement of software licenses and implementation of the community corrections and the institutional operations components of the VirginiaCORIS Program.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001402

**Secretariat:** Administration

**Agency:** Department of Human Resources Management (DHRM)

**Project Formal Title:** Employee Web Portal

### **Project Description:**

This project will implement a web portal that would serve as the single entry point and the single sign-on for state employees to access their information located on multiple systems concerning compensation, benefits and other information residing in various agencies.

### **Project Scope:**

Presently, users access their data from various agencies and various systems and usually each system has its own Login and Password associated for the user to remember. The magnitude of passwords to remember can quickly overwhelm users.

For example, they can access Department of Accounts (DOA) online system for their pay statements and leave balance; access and adjust their health benefits profile that resides in DHRM client-server environment and access retirement information owned by Virginia Retirement System (VRS). These examples just name a few of the systems that users may use and each one requires a separate User-ID and Password.

It is not uncommon for users to forget their passwords or write them down for an easy reference. This practice is itself a security risk however we should not censure users when we are forcing them to resort to alternative ways to remember all the different combinations of User-Id and Passwords.

Initially the Employee Portal is envisioned to be a single entry point and a single sign-on for State Employees to securely interact with the Commonwealth Government Systems. It can also allow the transfer of data between applications. Later in the future an extension to the General Public can be considered.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001462

**Secretariat:** Transportation

**Agency:** Department of Motor Vehicles (DMV)

**Project Formal Title:** Traffic Records Electronic Data System (TREDS)

### **Project Description:**

The Traffic Records Electronic Data System (TREDS) Project develops an electronic system for use by Law Enforcement, DMV, and Virginia Department of Transportation (VDOT) for processing of the FR300P Crash report. The new TREDS system must be able to process the capturing of traffic crash reports in three ways. The first process should be able to process paper forms utilizing bubble fields that will be used to capture the crash information. The second process should be an electronic application, on the law enforcement agency representative's laptop, which will capture and initially edit the crash information. The third process is the ability to support data electronically transmitted from law enforcement agencies that currently have third party software implemented for the capturing of crash report data.

### **Project Scope:**

The scope of the TREDS project is to include the following areas:

1. Capture as many reportable FR300P Crash Reports electronically as possible, the remainder will be done using optically recognized paper reports.
2. Enable law enforcement to transmit the data captured electronically to the TREDS system.
3. Store all the FR300P Crash Report information in a central data store in the TREDS system.
4. Have the information from the FR300P Crash Reports available, in a timely manner, in various formats for traffic related entities, via the TREDS system, to analyze the crash information to enhance public safety.
5. Scope will be refurbished once project commences. The project will focus on Law Enforcement (State and Local), DMV, VDOT and other traffic related entities involved with traffic crash processing.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001467

**Secretariat:** Commerce and Trade

**Agency:** Virginia Employment Commission (VEC)

**Project Formal Title:** Replace Virginia Workforce Network Information System (VWNIS)

### **Project Description:**

This project will replace the existing Virginia Workforce Network Information System (VWNIS) with a modern state-of-the-art workforce Management Information System.

The plan for the current management information system was conceived in January 2000 and has provided minimal utility to the overall Workforce System within the Commonwealth of Virginia. The concept and need for a replacement system is in response to the strategic and operational directives outlined by stakeholders of the Virginia Workforce Council, Local Workforce Investment Boards, and other partners of the Virginia Workforce Network (VWN). It has been determined through interviews, gap analysis, and through problem determination/risk analysis, that the current management information system has not added the value to the overall mission of the Virginia Workforce Network. In fact, the VWNIS has become the limiting factor in the moving the vision of a unified workforce system forward within the Commonwealth.

A new workforce management information system will provide the Virginia Workforce Network with the ability to integrate the Workforce Investment Act (WIA), Wagner-Peyser, Trade Act, Virginia Initiative for Employment not Welfare (VIEW), Labor Market Information (LMI) programs and other essential workforce system programs and components under a common information system. This common management information system will provide ALL workforce stakeholders with equal access to state-of-the-art workforce tools with the ability to coordinate and manage services among partnering agencies.

### **Project Scope:**

The vision is to replace the current Virginia Workforce Network Information System (VWNIS) with a robust commercially-available off the shelf (COTS) application.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001468

**Secretariat:** Transportation

**Agency:** Virginia Department of Transportation (VDOT)

**Project Formal Title:** Electronic Toll Customer Service and Violation Enforcement System

### **Project Description:**

The Integrated Statewide Electronic Toll Customer Service and Violation Enforcement System project involves the design and procurement of hardware, software and operational staffing to provide services for processing electronic tolls, managing customer accounts, and collecting tolls and fees from users who try to avoid toll payments on the toll facilities.

### **Project Scope:**

This project includes the procurement of a contractor to provide the following systems and components in accordance with the project schedule to address the business problem defined above: Design, installation, configuration and testing of an integrated electronic toll customer service and violation enforcement system consisting of hardware, software and communications to provide the necessary functions. This system will replace the current Smart Tag electronic toll system and will exchange transactions and operational data with the system at each of 7 toll roads in Virginia and the E-ZPass network. Design, installation, configuration and testing of cameras and image capture equipment in all lanes of three VDOT toll facilities: Dulles Toll Road, Coleman Bridge, and Powhite Parkway Extension. This equipment will interface to the current lane equipment at each road and will send violation images and transaction information to the toll road host location.



## Appendix F - Major IT Project Description Report

**Project ID:** 1001473

**Secretariat:** Transportation

**Agency:** Department of Transportation

**Project Formal Title:** Equipment Management System (EMS) Upgrade

### **Project Description:**

The EMS Upgrade project is a replacement for the current EMS system.

### **Project Scope:**

The current Equipment Management System (EMS) is an older application that no longer satisfies many of the business requirements. In addition, many of the features that do satisfy business needs take a long time or too many resources to perform efficiently and effectively. A new Equipment Management System would provide an up-to-date system that would meet the agency's Fleet Management needs. We will evaluate potential fleet management Commercial-off-the-Shelf (COTS) packages as an alternative to building a system.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001503

**Secretariat:** Public Safety

**Agency:** Virginia State Police (VSP)

**Project Formal Title:** Virginia Records Management System (VRMS)

### **Project Description:**

Implementation of a records management system for Virginia State Police criminal case processing.

### **Project Scope:**

The scope of the Virginia Records Management System (VRMS) project is to implement a modern law enforcement records management system. VRMS will facilitate law enforcement case processing from the 911 call through prosecution. Certain post-prosecution events are also tracked. VRMS will be highly integrated with State Police's central repository systems and will interface with other state and local agencies.

VRMS functionality will include Computer-Aided Dispatch (CAD), electronic document processing (summonses, incident reports, arrest reports, etc.), event tracking, photo display (mugshots, line ups, facial recognition, crime scene photos, etc.), advanced mapping and plotting, and functionality to support investigative and prosecutorial activities. VRMS will also support non-criminal activities like officer scheduling, accident processing, parking citations, service of civil court documents, pawn shop tracking, tracking of towed vehicles, animal control, and false alarm tracking.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001506

**Secretariat:** Natural Resources

**Agency:** Department of Environmental Quality (DEQ)

**Project Formal Title:** Document Management Implementation

### **Project Description:**

Develop and implement a Document Management System to provide a scalable, efficient means of storing, accessing, and managing DEQ mission critical documents. The benefits of achieving this goal include, but are not limited to: -quick, efficient, and reliable electronic access to documents by staff, the regulated community, other government entities, as well as the general public. -Provide a foundation for an effective Continuity of Operations Plan (COOP).

### **Project Scope:**

The detailed needs analysis performed by eVisory confirmed DEQ's paper-intensive operations, but also uncovered limitations in how DEQ handles records and responds to certain inquiries. The analysis suggests that the Agency is vulnerable when it comes to records management issues. Inconsistent documentation processes result in the inability to quickly share information in the event of an emergency. DEQ's ability to recover information in the event of a disaster is also vulnerable.

DEQ also has a pilot project regarding simple Document Imaging and retrieval. This pilot project has been ongoing for the past few years. The pilot consists only of scanned images in an electronic file cabinet without the use of any type of workflow. Results of this pilot have shown that there are great efficiencies to be gained from even this type of limited application.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001516

**Secretariat:** Public Safety

**Agency:** Department of Corrections (DOC)

**Project Formal Title:** Electronic Records Management

### **Project Description:**

Purchase and implement an electronic records management system for the DOC.

### **Project Scope:**

Purchase and implement an electronic records management system for the DOC including offender paper records, and other administrative paper records utilized within the Department that can be associated with an offender, an employee, or other entity.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001517

**Secretariat:** Public Safety

**Agency:** Department of Corrections (DOC)

**Project Formal Title:** Financial and Human Resources Enterprise Resource Planning (ERP) Package

### **Project Description:**

Purchase and install a Human Resources Management and a Financial Systems software application to automate the DOC functions in those areas across the Commonwealth.

### **Project Scope:**

Purchase and implement an ERP software application to provide Human Resources Management and Financial Systems functionality throughout the DOC.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001519

**Secretariat:** Administration

**Agency:** Department of General Services (DGS)

**Project Formal Title:** Vanderweil Facility Advisors (VFA) - Facility Inventory and Condition Assessment System (FICAS) Statewide Support

### **Project Description:**

During August 2004 the Auditor of Public Accounts (APA) sent a survey to agencies and institutions to gather information for the Audit of Deferred Maintenance. As a result of the survey, APA established a Deferred Maintenance Task Force consisting of the agencies and institutions listed in the appropriation language. APA issued an interim report in December 2004 with twenty recommendations, which included revamping the current capital and maintenance reserve process and funding options to address the current and future deferred maintenance backlog. Please see APA's Interim Report for more information regarding the recommendations. (on [www.apa.virginia.gov](http://www.apa.virginia.gov))

As directed by the legislature, APA recently acquired a Facility Inventory and Condition Assessment System (FICAS). The vendor is Vanderweil Facility Advisors (VFA) and the system is VFA facility. The Deferred Maintenance Task Force agencies participated in a pilot of the application in FY05 and FY06. The pilot project demonstrated the efficacy of using a common statewide system to assist in gathering the deferred maintenance costs in the Commonwealth.

This project moves the existing pilot program into a statewide implementation. As part of this implementation the responsibility for continuing to gather and maintain deferred maintenance information, application support and training, and establishing policies and procedures to maintain accurate condition assessments of all commonwealth buildings is transferred to DGS' Division of Engineering and Buildings.

The project is estimated to cost between 500,000 in the first year (for a hosted solution) to 1.2 million for an installed solution. It is planned that DGS will continue with a hosted solution during the statewide roll out of the application. Although funding for this project has yet to be determined, based on the square footage managed by general fund and non-general fund agencies and institutions, it is anticipated that funding will be evenly divided.

### **Project Scope:**

Extend the existing application services of VFA to all state agencies and institutions that own or manage state buildings. Provide subscription licenses, training on the system and how to conduct condition assessments. Develop reports as needed to provide APA, Legislature, Department of Planning and Budget (DPB), and agencies information on building condition, and deferred maintenance costs.

Narrative Submission – Excerpts from Agency's input into CATSPA.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001521

**Secretariat:** Health & Human Resources

**Agency:** Department of Mental Health, Mental Retardation & Substance Abuse Services (DMHMRSAS)

**Project Formal Title:** Replace Facility/Aftercare Pharmacy System

### **Project Description:**

This project would replace the existing automated Pharmacy system

### **Project Scope:**

This project would replace an outdated pharmacy system used in the DMHMRSAS state families and Aftercare Pharmacy. The replacement system will have to be integrated with the existing AVATAR system (used for patient/resident admissions/discharges/reimbursement).

## Appendix F - Major IT Project Description Report

**Project ID:** 1001524

**Secretariat:** Health & Human Resources

**Agency:** Department of Mental Health, Mental Retardation & Substance Abuse Services (DMHMRSAS)

**Project Formal Title:** Community Services Division Information System

### **Project Description:**

Provide processes that permit community mental health, mental retardation, and substance abuse offices to access CCS data system (core set of data on clients served in CSBs) and supplement core data with specific data needed by each office for federal reporting and program analysis. This includes reporting outcome data.

### **Project Scope:**

Provide processes that permit community mental health, mental retardation, and substance abuse offices to access CCS data system (core set of data on clients served in CSBs) and supplement core data with specific data needed by each office for federal reporting and program analysis. This includes reporting outcome data.



## Appendix F - Major IT Project Description Report

**Project ID:** 1001525

**Secretariat:** Transportation

**Agency:** Virginia Department of Transportation (VDOT)

**Project Formal Title:** Asset Management System - Phase 2

### **Project Description:**

AMS Phase 2 will provide structured management of agency infrastructure roadway assets using life-cycle cost methodology to facilitate real-time mobility information to the traveling public.

### **Project Scope:**

Phase 2 of the Asset Mgmt System will provide: development of Work Requests to include cost centers, non-modeled assets, and contract work; enhancement of PMSS / inclusion of scheduling; integration with phase 2 of VOIS; integration with SiteMgr; integration with RNS; integration with FMS2 / web-enabled FMS; development of ITS inventory management module; enhancement of analysis tools to facilitate development of Needs-based budget on recurring, annual basis; enhancement of Planning module; development of storm water basin inventory form; maintenance enhancements to existing Work Accomplishments/ Work Requests and inventory modules. Phase 2 will also include automated data collection for bridge assets and pavement data collection. Also includes integration with Equipment and Inventory Mgmt Systems. Also integrates with the SoSYP. Additional development to ensure consistent management and maintenance of agency assets within established guidelines and standards set by the agency and federal requirements.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001558

**Secretariat:** Education

**Agency:** Christopher Newport University (CNU)

**Project Formal Title:** Relocation of CNU's Center for IT Services

### **Project Description:**

Design and construct (renovate) an Information Technology (IT) Services Center that can more effectively deliver these services than the present center that is located in a classroom building.

### **Project Scope:**

The project will place CNU's Center for IT Services in a physical and technological environment that will allow it to better perform its new role as a central point for business processes and preparing data on which major decision-making is based. The recent implementation of the campus-wide information database has thrust IT Services into this role.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001575

**Secretariat:** Public Safety

**Agency:** Department of Criminal Justice Services (DCJS)

**Project Formal Title:** Virginia Integrated Justice Program Phase II

### **Project Description:**

The Integrated Justice Program (IJP) is an ongoing program that supports the Governor's initiative to improve justice information sharing per his executive agreement. IJP provides strategic vision, project definition, oversight, funding, and staff support to improve sharing of criminal justice data. It includes a series of incremental projects that define new processes and data standards to facilitate the exchange of information between criminal justice agencies. General objectives of the program are to enhance overall public safety by providing more timely, accurate and complete offender data to criminal justice decision-makers, and to improve overall efficiency and data quality. The Charge Standardization Project (CSP) of IJP implements a wide range of improvements and future phases of IJP will take advantage of the momentum generated by CSP to improve additional criminal processes by building on the new information sharing foundation.

### **Project Scope:**

This is a group of six projects with the common theme of improving criminal justice information sharing. It will build on the foundation laid in Charge Standardization Project 1 (CSP1) to make additional improvements. The projects included in this group consist of: 1) An updated Wanted System with a new interface to automatically add new warrants and clear them when an arrest is made. 2) An interface for juvenile dispositions from the court to the Criminal History repository at Virginia State Police (VSP). 3) A Master Name Index that will serve as a common access point for several applications at VSP. 4) A mug-shot system for storage and retrieval of mug-shots at the state repository. 5) A Requirements Definition for a Record Management System at VSP. 6) A Requirements/Feasibility Study for an interface of sentence order information.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001577

**Secretariat:** Education

**Agency:** Virginia State University (VSU)

**Project Formal Title:** New Engineering Building Technology

### **Project Description:**

The new engineering building will be a state-of-the-art building that will house engineering and technology programs. The facility will be completed and fully functional in Fall 2006 or Winter 2007. The facility requires appropriate technologies to support instruction, research, conferencing, individual student productivity, security, and computerized facilities management.

Instructional Technology: Computer labs, multimedia learning environments, hands-on student lab resources, advanced conferencing technologies.

Infrastructure Technology: Structured cable plant, wired and wireless network devices, video surveillance, computerized control systems (HVAC, security access, etc.)

### **Project Scope:**

This state of the art building that will house VSU's engineering and technology programs. The programs pursue various objectives directly aligned with the university's education, research, and service missions.

The facility will be completed and fully functional in Fall 2006 or Winter 2007. The facility requires appropriate technologies to support instruction, research, conferencing, individual student productivity, security, and computerized facilities management.

Instructional Technology: Computer labs, multimedia learning environments, hands-on student lab resources, advanced conferencing technologies.

Infrastructure Technology: Structured cable plant, wired and wireless network devices, video surveillance, computerized control systems (HVAC, security access, etc.)

Enable VSU to provide contemporary instructional and research resources in engineering and technology arena. Such resources will increase student achievement, partnership opportunities, and ability to attract external funds.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001580

**Secretariat:** Public Safety

**Agency:** Department of Emergency Management (DEM)

**Project Formal Title:** Statewide Alert Network (SWAN)

**Project Description:**

Statewide Alert Network system

**Project Scope:**

Implement a statewide alerting network system that will notify emergency personnel of an emergency and/or disaster situation such as hurricanes, tornadoes, terrorist attacks, or fires.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001581

**Secretariat:** Public Safety

**Agency:** Department of Emergency Management (DEM)

**Project Formal Title:** Financial System

### **Project Description:**

This project provides budget, procurement, and payroll functionality through automation.

### **Project Scope:**

The implementation of a comprehensive, automated financial system that includes, but is not limited to, budgeting, cost accounting, procurement, and financial reporting is the objective. A key factor in the project's scope is the elimination of manual processing and stand-alone database systems. Additionally, the resulting financial system should be a single, highly reliable, and easily accessible agency-wide environment.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001582

**Secretariat:** Public Safety

**Agency:** Department of Emergency Management (DEM)

**Project Formal Title:** Convert Databases

### **Project Description:**

Convert Access database systems to SQL Server

### **Project Scope:**

It is important that up-to-date technology be used to convert all Access databases to SQL Server. This will allow for interfacing "stand alone" systems with other internal systems.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001583

**Secretariat:** Public Safety

**Agency:** Department of Emergency Management (DEM)

**Project Formal Title:** Geospatial Information Systems (GIS)

**Project Description:**

Continue development of GIS database for use in emergencies.

**Project Scope:**

Provide geospatial data and maps for use during a response to an emergency and/or disaster situation. This involves metadata and printed cartography.



## Appendix F - Major IT Project Description Report

**Project ID:** 1001586

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** Next Generation E-911

### **Project Description:**

The current E-911 system is severely hindered because it is based on analog technology. This limitation prevents data from being sent into the Public Safety Answering Point (PSAP), which answers the E-911 call for service. While next generation E-911 solutions are still being piloted and evaluated, it is clear that the new network will begin deployment in the 2007-2008 timeframe and that this deployment must be performed at a statewide level. The network, which will most likely be Internet protocol (IP)-based, will be the foundation for E-911 and a number of other public safety/homeland security applications.

### **Project Scope:**

To deploy the next generation E-911 system to all geographic areas of the Commonwealth to allow all citizens to contact emergency assistance regardless of the telecommunications technology used.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001677

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** Integrated Business Processes/Chargeback System

### **Project Description:**

Consolidated billing and chargeback system to replace several existing VITA systems to integrate an end-to-end enterprise view across service towers and interface with other business systems.

### **Project Scope:**

The software and business system support to provide a flexible, consolidated customer billing system across service areas. Seamless access to drill down customer history and analysis with input from internal and external sources.

## Appendix F - Major IT Project Description Report

**Project ID:** 1001678

**Secretariat:** Commerce and Trade

**Agency:** Virginia Employment Commission (VEC)

**Project Formal Title:** Unemployment Insurance (UI)

### **Project Description:**

The VEC will need to modernize its UI Benefits and Tax system because the current UI business processes are based on the agency's needs that were established in the mid-1980s. Since that time, the UI statutory environment has changed and in some instances dramatically. The existing computer systems which support the delivery of UI Benefits are difficult to upgrade and costly to maintain. As a result of these concerns, we have identified two overarching goals for VEC's Benefits Modernization:

- Replace the existing UI computer applications using a foundation of new technology and improved design methods to improve flexibility and maintainability. Flexibility includes the ability to add new features and to incorporate system changes resulting from future law and policy changes.
- Improve the UI business processes; radically if necessary, to meet UI business needs that have changed since the mid-1980s. The new business processes are targeted to be significantly more efficient and adaptable to wide swings in workload.

### **Project Scope:**

We need to implement a Benefit Audit, Reporting and Tracking System that will help the agency prevent, detect and process both fraudulent and non-fraudulent unemployment insurance overpayments. We also want it to perform several types of audits, and automatically manage cases, which will reduce paper work and streamline the adjudication process for agents, claimants and employers. We need an Appellate Hub for Appeals that will provide end-to-end service, and that will allow the ownership of all hardware and software necessary to conduct conference call hearings, digitally record hearings, and archive and retrieve hearings for review, and purge old recordings. The agency will no longer need to purchase and maintain hardware or software associated with recorders, file servers, cassette tapes, etc., which is expensive since the hearing officers' telephones and PCs are distributed statewide.